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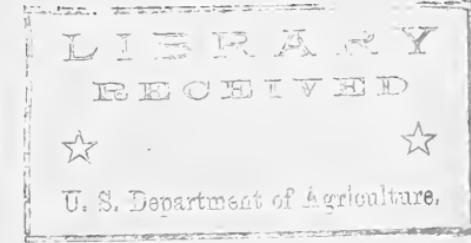


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# Jewell Northern Planters' Guide



## The Jewell Nursery Company

ESTABLISHED 1868

LAKE CITY, MINNESOTA

# WHAT VARIETIES SHALL I PLANT?

**I**N THE 56 years of our horticultural experience and service we have answered this question thousands of times every year.

Only successful varieties can be sold by the nurseryman. He, therefore, must grow those varieties which have PROVED successful. In other words, his business is to supply an existing demand.

There are varieties listed in many catalogs which are little known and of small comparative worth in most locations.

Ninety percent of the nursery stock planted in the North is limited to a comparatively few standard varieties. These are the varieties we recommend when our customers ask us for suggestions. The reason is obviously because they are the varieties which are in biggest demand, and that fact alone signals them as the most desirable for general use.

The usual nursery catalog is not a safe horticultural guide for practical tree planting. It is a cross between a school botany and a popular novel, a mixture of Latin names, scientific terms, imagination and romance.

The average nursery catalog, when it is well illustrated and the text well written, is like the romantic seed catalog, a happy fireside companion in the long winter months, bringing pictures of Spring and the good old Summer Time. To accomplish this the usual catalog must devote nine tenths of its space to the long list of varieties which cover only one tenth of the trees actually in demand, grown, sold and planted; and consequently only one tenth of its pages display the few varieties representing ninety percent of those planted.

This JEWELL PLANTERS' GUIDE is designed to furnish the buyer with a list of only the best of the recognized varieties for northern culture, and descriptions made brief and simple.

Instructions for planting and culture are omitted from these pages by design, but are furnished to anyone free of charge for the asking. (See table of Special Cultural Bulletins.)

THE JEWELL NURSERY COMPANY

Founded 1868

Lake City, Minn.



ORNAMENTAL EVERGREENS



# APPLES FOR THE NORTH

A SELECTED LIST OF THE BEST VARIETIES FOR ALL PURPOSES

## Prices, Transportation Paid — Insured to Grow

		1	12	100
5-6 ft...		\$1.75	\$17.50	\$122.50
4-5 ft...		1.00	10.00	70.00
3-4 ft...		.75	7.50	52.00

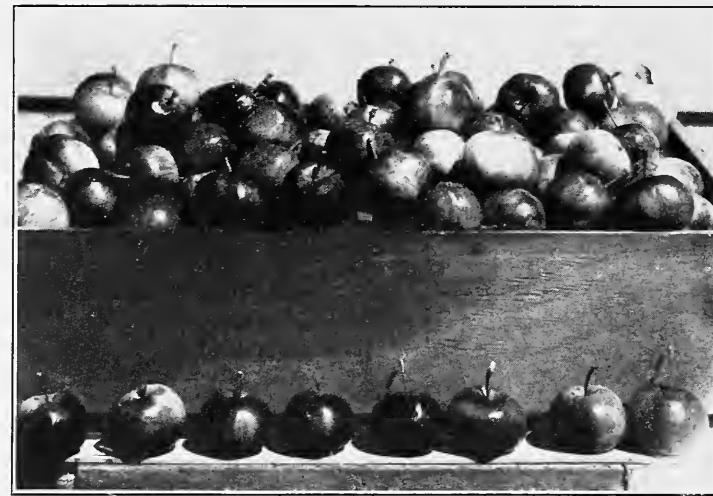
## Group A. — Hardiest Varieties

FOR EXTREME NORTH AND ALL HIGH, EXPOSED LOCATIONS

Name	Color	Size	Season	Remarks
Anisim...	Red.....	Medium.....	Early Winter.....	Juicy Eating, Very hardy.
Duchess...	Red-striped...	Medium to large.....	Autumn.....	Unexcelled for canning; very hardy.
Hibernal...	Green-blushed...	Medium to large.....	Early Winter.....	Standard of hardiness.
Northwestern Greening	Green-Yellow...	Large.....	Late Winter.....	One of the best bakers.
Okabena.....	Red-striped...	Medium.....	Autumn.....	Duchess type, a little later; very hardy.
Jewell's Winter...	Red.....	Medium to large.....	Mid-Winter.....	Dependable winter apple.
Tetofsky...	Red-striped...	Medium.....	Summer.....	Eating Dessert apple.
Wealthy.....	Red.....	Medium to large.....	Early Winter.....	Standard for high quality.
Yellow Transparent...	Yellow.....	Medium.....	Summer.....	Eating; Dessert apple.



IN A MINNESOTA APPLE ORCHARD



HARDY CRAB APPLES

## Group B. — Varieties for General Culture when the Extreme of Hardiness is not demanded

PRICES, TRANSPORTATION PAID — INSURED TO GROW, SEE ABOVE

Name	Color	Size	Season	Remarks
Fameuse (Snow)	Yellow-striped...	Medium.....	Mid-Winter.....	Juicy; perfumed; Dessert apple.
Gano.....	Red.....	Large.....	Late Winter.....	Firm; Commercial apple.
Grimes Golden	Yellow-russeted...	Medium.....	Late Winter.....	Spicey-Crisp.
Jonathan....	Red.....	Medium.....	Late Winter.....	Excellent quality.
Longfield.....	Yellow-blushed...	Medium.....	Early Winter.....	Eating; juicy.
Lowland Raspberry	Red-striped...	Medium.....	Summer.....	High quality; Beautiful apple.
Malinda.....	Yellow-blushed...	Medium.....	Late Winter.....	Firm; good quality; Prime baker.
McIntosh.....	Red.....	Medium to large.....	Mid-Winter.....	Valuable table apple.
Pewaukee.....	Green-striped...	Large.....	Mid-Winter.....	Firm: Cooker.
Delicious.....	Red-striped....	Large.....	Late Winter.....	Excellent dessert.
Salome.....	Green-striped...	Medium to large.....	Late Winter.....	Good keeper; Fine quality.
Scott's Winter....	Yellow.....	Medium.....	Mid-Winter.....	Baker.
Tolman's Sweet....	Yellow-blushed...	Medium to large.....	Mid-Winter.....	Considered best sweet apple.
Winesap.....	Bright Red....	Medium to large.....	Late Winter.....	An old favorite.
Wolf River.....	Red-striped....	Very large.....	Mid-Winter.....	Show apple; coarse grained.

## Group C. — Crab Apples

PLANT CRAB APPLES FOR BOTH UTILITY AND ORNAMENT. FOR JELLIES, PICKLES, SAUCES AND ALL CULINARY PURPOSES.

PRICES, TRANSPORTATION PAID INSURED TO GROW, SEE PAGE 2

Name	Color	Size	Season	Remarks
Early Strawberry.....	Red-striped.....	Medium.....	Late Summer.....	The children's favorite.
Florence.....	Carmine.....	Medium.....	Early Autumn.....	Jelly Crab; Ornamental.
Hyslop.....	Crimson.....	Medium.....	Autumn.....	Preserving; Ornamental.
Lyman's Prolific.....	Red-striped.....	Large.....	Autumn.....	Jelly Crab.
Minnesota.....	Yellow-blushed.....	Large.....	Early Winter.....	Delicate flavor; Pickling; Sauces.
Pickett's Prolific.....	Green-blushed.....	Large.....	Autumn.....	Jelly Crab.
Siberian.....	Red and Yellow.....	Small.....	Autumn.....	Grafting stock; Ornamental.
Transcendent.....	Yellow-blushed.....	Medium.....	Early Autumn.....	Jelly Crab for Extreme North.
Virginia.....	Red.....	Medium.....	Early Autumn.....	Grafting Stock.
Whitney.....	Yellow-striped.....	Large.....	Late Summer.....	Home use; Delicious canner and pickler.

## THE BEST PLUMS

FOLLOWING IS A TABLE OF THE BEST PLUMS FOR THE STATES BETWEEN THE GREAT LAKES AND THE ROCKY MOUNTAINS, AND FROM MISSOURI NORTHWARD

### Prices, Transportation Paid — Insured to Grow

	1	12	100
5-6 ft.....	\$1.75	\$17.50	\$122.50
4-5 ft.....	1.50	15.00	105.00
3-4 ft.....	1.25	12.50	87.50

## Group A — Standard Americana Varieties

ALL OF THE FIRST DEGREE OF HARDINESS

Name	Color	Size	Quality	Remarks
Aitkin.....	Yellow-Red.....	Medium.....	Meaty; Rich.....	Most valuable in extreme North.
Cheney.....	Dull red.....	Medium.....	Juicy; Good.....	Most valuable in extreme North.
DeSoto.....	Orange and red.....	Medium.....	Mellow.....	Heavy bearer; Plum butter.
Forest Garden.....	Dull red.....	Medium.....	Sweet.....	Old favorite.
Hawkeye.....	Red.....	Medium.....	Meaty.....	Firm skin
Jewell.....	Purplush-red.....	Medium to large.....	Rich; Meaty.....	The best of the Americanas.
Surprise.....	Bright red.....	Medium to large.....	Juicy; Fragrant.....	Shy bearer in some locations.
Wolf.....	Crimson and orange.....	Medium.....	Meaty; Free-stone.....	Heavy bearer.
Weaver.....	Orange and red.....	Medium to large.....	Rich; Free-stone.....	Late; Splendid canner.

## Group B — The New Hybrid Plums

ALL ARE GRAFTED OR BUDDED ON HARDY AMERICANA ROOTS

These wonderful new plums are fast becoming standards in all parts of the North. The earlier hybrids were produced at the South Dakota Experiment Station, and the later at the Minnesota Fruit Breeding Farm. Following are the three varieties now regarded as the most valuable for all purpose planting:

### Underwood

Minn. F. B. Farm

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.....	\$2.50	\$25.00
4-5 ft.....	2.00	20.00
3-4 ft.....	1.75	17.50

Named in honor of J. M. Underwood; cross between Shiro, a large oriental plum, and Wyant, a native. Combines large size and hardiness; very productive; fruit bright red; very attractive; juicy and of excellent quality. Ripens early; hangs to tree well.

### Loring

The Minnesota Horticultural Society Prize Plum  
Burbank × DeSoto × Weaver

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.....	\$2.00	\$20.00
4-5 ft.....	1.75	17.50
3-4 ft.....	1.50	15.00

Of delicious quality with small pit; nearly freestone. Should be planted by all plum growers.

## Waneta

So. Dakota Exp. Sta.

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.	\$2.00	\$20.00
4-5 ft.	1.75	17.50
3-4 ft.	1.50	15.00

Cross between Apple, a Japanese Plum, and Terry, one of the best natives. Deep red, delicious quality, hardy, prolific. Professor Hansen considers it one of the best of his hybrids.



A FRUITING JEWELL PLUM

## Zumbra

Minn. F. B. Farm

PRICES, TRANSPORTATION PAID — INSURED TO GROW

5-6 ft. trees	.....	\$2.50 each
4-5 ft. trees	.....	2.00 each
3-4 ft. trees	.....	1.50 each

Zumbra is thus far regarded as the most desirable Cherry-Plum hybrid produced at the Minnesota Fruit Breeding Farm.

## Peaches

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.	.....	\$1.50 \$15.00
4-5 ft.	.....	1.25 12.50
Varieties: Crawford's Early	Elberta	
Crosby	Fitzgerald	

## Group C--Other Valuable Hybrid Plums

PRICES ON APPLICATION

TONKA, Minn. F. B. Farm.

RED WING, Minn. F. B. Farm.

MONITOR, Minn. F. B. Farm.

ELLIOT, Minn. F. B. Farm.

WINONA, Minn. F. B. Farm.

HANSKA, So. Dak. Exp. Sta.

KAHINTA, So. Dak. Exp. Sta.

TOKATA, So. Dak. Exp. Sta.

## Cherries

PRICES, TRANSPORTATION PAID  
INSURED TO GROW

	1	12
5-6 ft.	.....	\$2.50 \$25.00
4-5 ft.	.....	2.00 20.00
3-4 ft.	.....	1.50 15.00

Varieties: Early Richmond Montmorency  
English Morello Tartarian  
Ostheim Wragg



ZUMBRA CHERRIES

## CHERRY-PLUM HYBRIDS

The production of the famous Compass Cherry-Plum about twenty-five years ago paved the way to many valuable new crosses, combining the best qualities of the Rocky Mountain Cherry and the most desirable Americana plums.

Of these the ZUMBRA is the latest introduction. ZUMBRA is a cross between the native pin cherry and a western sweet cherry, and plum pollination.

## Compass, Sapa, and Opata

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12	100
COMPASS	5-6 ft.	\$1.75	\$17.50
SAPA	4-5 ft.	1.50	15.00
OPATA	3-4 ft.	1.25	12.50
			87.50

SAPA and OPATA are the two great Cherry-Plums originated by Professor N. E. Hansen at the So. Dak. Exp. Sta. Sapa has purple flesh and juice; Opata greenish; both of excellent quality for eating out of hand and for cooking. Sapa is especially valuable for sauces on account of its beautiful color. COMPASS still remains the standard of hardiness.

## Pears

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.	.....	\$2.50 \$25.00
4-5 ft.	.....	2.00 20.00
Varieties: Bartlett	Kieffer	
Flemish Beauty	Seckle	

## Apricots

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
4-5 ft.	\$2.00	\$20.00
Varieties: Budd	Gibb	Alexis

## Quince

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
4-5 ft.	\$2.00	\$20.00
Varieties: Champion	Mammoth	

## GRAPES

SEND FOR FREE GRAPE PRUNING BULLETIN

### Prices, Transportation Paid — Insured to Grow

#### Group A — The Hardy Varieties

THESE VARIETIES DO NOT REQUIRE WINTER PROTECTION

Price for strong 2 year vines

1.....	\$1.00	12.....	\$10.00	100.....	\$70.00
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ALPHA—Originated by Father Katzner at Collegeville, Minnesota. Purple, medium, strong grower, very prolific.

BETA—Purple, medium, very hardy.

HUNGARIAN—Purple, medium, similar to Alpha.

JANESVILLE—Purple, medium, old favorite.

#### Group B

Price for strong 2 year vines

1.....	\$ .80	12.....	\$8.00	100.....	\$56.00
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Varieties:	Agawam (red)	Martha (White)
	Brighton (red)	Moore's Early (purple)
	Concord (purple)	Niagara (white)
	Campbell's Early (purple)	Worden (purple)
	Delaware (red)	Wilder (purple)
	Pocklington (yellow)	



ALPHA GRAPES

## BERRIES

### Prices, Transportation Paid — Insured to Grow



LATHAM RASPBERRIES

## Raspberries

This popular garden fruit is growing in favor by bounds. Both as a table fruit and for canning its delightful flavor puts it in a class all its own. In the North the Red Raspberry is now found in hardy varieties which require no winter protection. Chief of these is the great LATHAM, a hybrid variety produced by the Minn. Fruit Breeding Farm.

LATHAM—Price \$3.00 per dozen. \$21.00 per 100

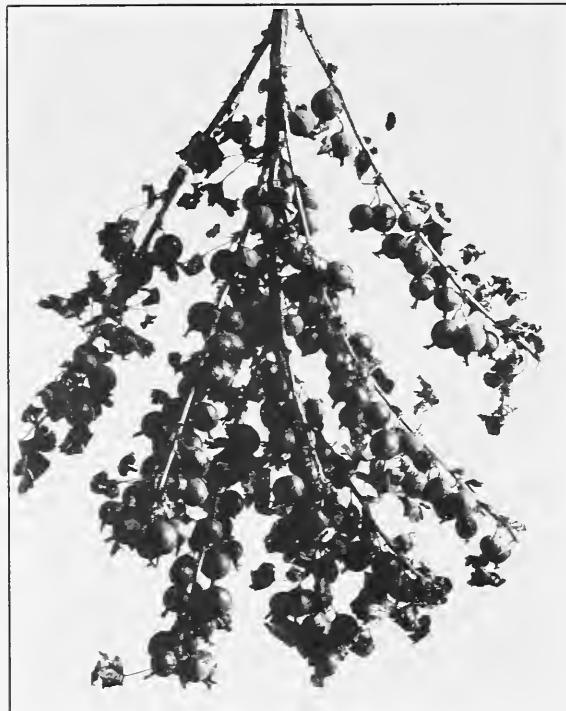
A very large, beautiful berry; strong canes; heavy annual bearer. Requires no winter covering; ideal home and market berry. Now the most planted in the North of any red raspberry.

REDPATH—Price.....\$4.00 per dozen. \$28.00 per 100

Said to be of same parentage as Latham. Fruit almost identical, but stronger in cane production.

STANDARD RED RASPBERRIES—Price \$2.50 per doz. \$17.50 per 100.  
 Cuthbert King Marlboro St. Regis  
 Sunbeam (the hardiest raspberry).

STANDARD BLACK AND PURPLE RASPBERRIES  
 Require winter covering  
 Prices ..... \$3.00 per doz. \$21.00 per 100  
 Varieties: Cumberland Gregg Nemaha  
 Ohio Older Columbian (best purple)



CARRIE GOOSEBERRIES

## Gooseberries

PRICES, TRANSPORTATION PAID — INSURED TO GROW

The Gooseberry lacks only the red color to make it a complete rival of the marsh cranberry. Gooseberry jams and sauces are indispensable to the winter diet, difficult to buy on market; easy to grow in your garden.

PRICES are for strong two year old plants.

	Per plant	Per doz.	Per 100
CARRIE.....	\$ .75	\$7.50	\$52.50

Originated in Minnesota. A very hardy Gooseberry and very prolific. Practically thornless; fruit medium size, borne evenly, valuable for home garden.

### STANDARD VARIETIES

	Per plant	Per doz.	Per 100
DOWNING.....	\$ .50	\$5.00	\$35.00
JOSSELYN			
PEARL			
HOUGHTON			

**Blackberries**  
 PRICES, TRANSPORTATION PAID — INSURED TO GROW  
 Prices ..... \$2.50 per doz. \$17.50 per 100  
 Varieties: Ancient Briton Eldorado  
 Snyder Stones Hardy

**Dewberries**  
 PRICES, TRANSPORTATION PAID — INSURED TO GROW  
 Prices ..... \$3.00 per doz. \$21.00 per 100  
 Lucretia (best variety for North).



PERFECTION CURRANTS

## Currants

PRICES, TRANSPORTATION PAID — INSURED TO GROW

Nothing takes the place of the Currant for jellies and sauces. Given fair culture and fertility a comparatively small number of plants will supply well the ordinary family.

	Per plant	Per doz.	Per 100
PERFECTION.....	\$ .75	\$7.50	\$52.50

This is the red currant with the largest berry, mild in flavor and prized by those who like fresh currants. Plant requires plenty of cultivation and fertilizer.

### STANDARD VARIETIES

	Per plant	Per doz.	Per 100
Cherry—red.....	\$ .50	\$5.00	\$35.00
London Market—red			
Red Cross—red			
Red Dutch—red			
White Grape—white			
Black Champion—black			

## Strawberries

PRICES, TRANSPORTATION PAID — INSURED TO GROW

### JUNEBEARING VARIETIES

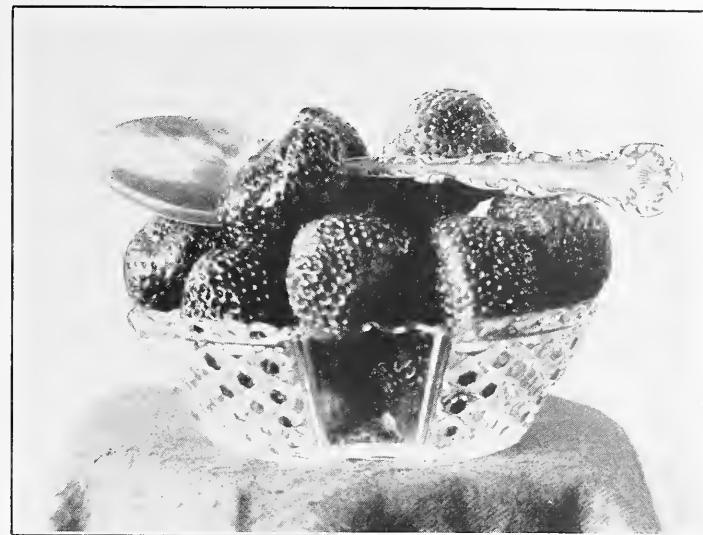
SENATOR DUNLAP.....	\$2.50 per 100	\$20.00 per 1000
Warfield.....	2.50 per 100	20.00 per 1000
Easypicker.....	4.50 per 100	36.00 per 1000

(Easypicker is the new variety introduced by the Minnesota Fruit Breeding Farm).

### FALL OR EVERBEARING

PROGRESSIVE.....	\$4.50 per 100	\$36.00 per 1000
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(Progressive is now rated the best all around berry of this class.)



STRAWBERRIES

## GARDEN ROOTS

### Prices, Transportation Paid — Insured to Grow



ASPARAGUS—Columbian.....	\$1.00 per doz.	\$ 7.00 per 100
RHUBARB—Sweet Wine.....	3.50 per doz.	24.50 per 100
HORSE RADISH—Gopher.....	3.00 per doz.	21.00 per 100

## FORESTRY AND WINDBREAK STOCK

### Prices, Transportation Paid — Insured to Grow

ALL STRONG GRADED STOCK. WE GROW AND DELIVER MILLIONS OF THESE TREES ANNUALLY TO ALL PARTS OF THE NORTH-CENTRAL STATES.

#### Group A — Deciduous Trees

	12-18 inch		18-24 inch		2-3 ft.		3-4 ft.	
	100	1000	100	1000	100	1000	100	1000
Ash, Am. Green.....	\$ 2.50	\$ 20.00	\$ 3.50	\$ 28.00	\$ 6.00	\$ 48.00	\$ 8.00	\$ 64.00
Box Elder.....	2.50	20.00	3.50	28.00	6.00	48.00	8.00	64.00
Caragana.....	10.00	80.00	12.50	100.00	15.00	120.00	20.00	160.00
Cottonwood.....	2.50	20.00	3.50	28.00	6.00	48.00	8.00	64.00
Catalpa.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Butternut.....	10.00	80.00	15.00	120.00	20.00	160.00	30.00	240.00
Locust, Black.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Mulberry, Russian.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Elm, American.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Maple Soft.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Walnut, Black.....	10.00	80.00	15.00	120.00	20.00	160.00	30.00	240.00
Maple, Hard.....	10.00	80.00	15.00	120.00	20.00	160.00	30.00	240.00
Olive, Russian.....	12.50	100.00	17.50	140.00	25.00	200.00	.....	.....
Balm of Gilead.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Poplar, Norway.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Poplar, Canadian.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Poplar, Petrofsky.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Poplar, Silver.....	.....	.....	8.00	64.00	10.00	80.00	12.00	96.00
Poplar, Mule (Dakota).....	.....	.....	8.00	64.00	10.00	80.00	12.00	96.00
Willow, Golden.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Willow, Laurel.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Willow, White.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Willow, Niobe.....	.....	.....	8.00	64.00	10.00	80.00	12.00	96.00

## Group B — Evergreen Trees

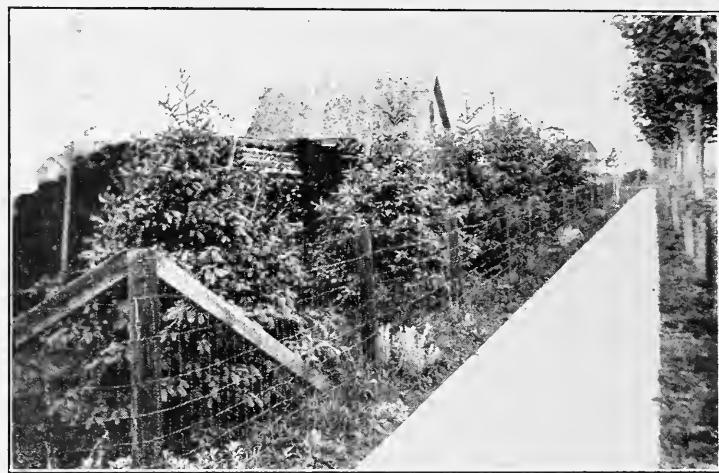
PRICES, TRANSPORTATION PAID — INSURED TO GROW

ALL TRANSPLANTED, FIELD GROWN STOCK

	12-18 inch 12	18-24 inch 100	12	100	12	100	12	100	12	100
ARBOR VITAE, AMERICAN—Best evergreen for sheared hedges. Use in wind-break and timber lot.	\$ 6.00	\$ 42.00	\$ 7.50	\$ 52.50	\$ 10.00	\$ 70.00	\$ 15.00	\$ 105.00		
BALSAM FIR—Tall, uniform grower. Best Christmas tree. Plant a few every year for that purpose.	6.00	42.00	7.50	52.50	10.00	70.00	15.00	105.00		
CEDAR, RED—Useful for hedges and general screen planting.	7.50	52.50	10.00	70.00	12.50	87.50	20.00	140.00		
HEMLOCK	7.50	52.50	10.00	70.00	12.50	87.50	20.00	140.00		
PINE, PONDEROSA—The western Bull Pine) Long, coarse needles. Use in mixed plantings.	6.00	42.00	7.50	52.50	10.00	70.00	15.00	105.00		



WINDBREAK, BLACK HILLS SPRUCE



WINDBREAK, BLACK HILLS SPRUCE

PINE, SCOTCH—Compact grower and very valuable in all windbreak planting.

Makes a splendid high hedge.

PINE, WHITE—King of the timber pines. Should be mixed in every timber lot and windbreak.

SPRUCE, BLACK HILLS—Now accepted as the best evergreen for all windbreak, hedge and timber lot planting in the North and on the prairies of the West.

SPRUCE, NORWAY—One of the most beautiful windbreak trees, wherever hardy

SPRUCE, WHITE—Taller than its cousin the Black Hills type; a beautiful tree everywhere.

SPRUCE, COLORADO GREEN—Exactly the same as the Blue except that the foliage is a lustrous light green. One of the best evergreens on heavy soils.

Note:—All of the above evergreens are used in windbreak and woodlot planting. Black Hills Spruce is especially recommended for all exposed locations and light soils. It is the easiest to transplant of them all. The Pines are also adapted to light soils. The ideal windbreak should have a mixture of all the evergreens. Plant a few every year after your windbreak and timber lot is started.

### THE STORY OF THE BLACK HILLS SPRUCE

About 25 years ago ranchers in eastern Dakota set out a few of the Spruce trees they had found growing in the Black Hills. As the country settled up these trees grew to maturity. The need of good windbreaks was great, then as now, and all sorts of evergreens were being tried out. As time went on other visitors in the "Hills" brought back these little Spruce trees, and in a few years nurserymen began to watch their performance. This tree was found by botanists to be a species of the American White Spruce which had, through hundreds of years of isolation on the edge of the Great Plains become used to the dry atmosphere and sweeping winds. That is why it stands transplanting and all the difficulties of prairie life so remarkably. The demand assumed large proportions very soon and nurserymen sent collectors into the Hills for the seed and seedling stocks. But the production is slow and only within the past two years has there been enough to supply.

Now at the Jewell Nursery the annual production is over 250,000 trees and growing each year.

## SPECIMEN EVERGREENS

TREES FIVE TO TEN YEARS OLD, SEVERAL TIMES TRANSPLANTED, EACH TREE CAREFULLY SPADE DUG AND ROOTS SECURELY BALLED IN BURLAP WITH SPHAGNUM MOSS AND SHINGLE TOW

### Prices, Transportation Paid — Insured to Grow

	21-18 inch Per Tree	18-24 inch Per Tree	2-3 ft. Per Tree	3-4 ft. Per Tree
ARBOR VITAE, AMERICAN—For variety in grouping. Stands any amount of shearing.....	\$2.00	\$3.00	\$ 4.00	\$ 5.00
ARBOR VITAE, PYRAMIDAL—The best all around pyramidal evergreen. A type needed in all lawn planting.....	3.50	5.00	7.00	10.00
ARBOR VITAE, SIBERIAN—Medium in height, with dark, close growing foliage.....	3.50	5.00	7.00	10.00
ARBOR VITAE, GOLDEN—Open type with bright orange-yellow foliage. Good contrast.....	3.50	5.00	7.00	10.00
ARBOR VITAE, SILVER TIPPED—Of medium growth, dark green foliage tipped with pure white; striking.....	3.50	5.00	7.00	10.00
ARBOR VITAE, GLOBE—Compact, low growing, much used in all group planting.....	3.50	5.00	.....	.....
CEDAR, RED—Distinct color which gives good contrast; shears well.....	2.00	3.00	4.00	5.00
FIR, BALSAM—Very upright grower with shiny foliage. Ideal Christmas tree.....	2.00	3.00	4.00	5.00
FIR, CONCOLOR.....	3.50	5.00	7.00	10.00
FIR, DOUGLAS.....	3.50	5.00	7.00	10.00
HEMLOCK—A very distinct type of evergreen with light green, fine needle foliage.....	2.00	3.00	4.00	5.00
JUNIPER SAVIN—Trailing evergreen with dark Juniper foliage. Valuable in all group planting.	3.50	5.00	.....	.....
PINE, DWARF—(Mugho Pine) In great demand; low spreading with all characteristic beauty of pine family.....	3.50	5.00	.....	.....
PINE, PONDEROSA.....	2.00	3.00	4.00	5.00
PINE, SCOTCH—One of the most dependable pines. Picturesque in every position and age.....	2.00	3.00	4.00	5.00
PINE, WHITE—King of American soft woods. Light green, delicate foliage.....	2.00	3.00	4.00	5.00
SPRUCE, BLACK HILLS—This great windbreak tree is also very handsome as a lawn evergreen.	3.50	5.00	7.00	10.00
SPRUCE, COLORADO, BLUE—Its bright, steel blue foliage and symmetrical form make this evergreen indispensable in every planting.....	5.00	10.00	15.00	20.00
SPRUCE, COLORADO GREEN—Same tree in every way as the Blue Spruce, except that foliage is light green; a valuable tree.....	3.50	5.00	7.00	10.00
SPRUCE, NORWAY—One of the most graceful of all evergreens, with dipping branches and dark rich foliage.....	2.00	3.00	4.00	5.00

## SHADE AND ORNAMENTAL TREES

ALL TREES IN THIS CLASS ARE GROWN CAREFULLY TO PRODUCE STRAIGHT BODIES AND BALANCED BRANCHES. THEY ARE ALL TRANSPLANTED AND CONSEQUENTLY HAVE STRONG, FIBROUS ROOT DEVELOPMENT.

### Prices, Transportation Paid — Insured to Grow

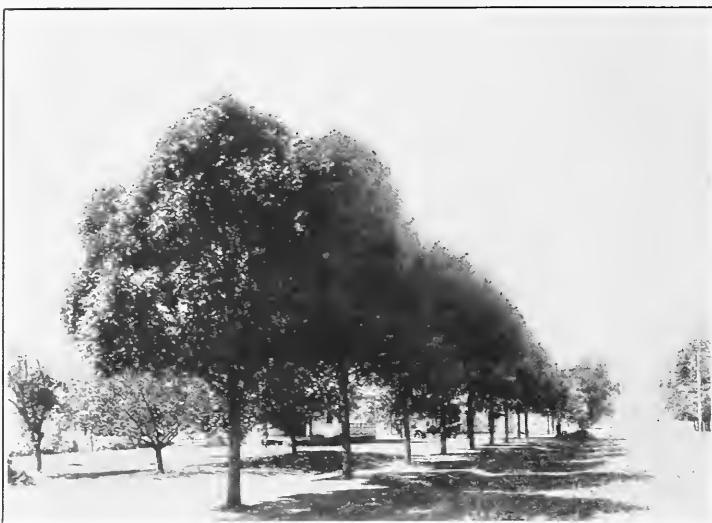
NOTE—The price per dozen is ten times the each rate.

The price per hundred is seventy times the each rate.

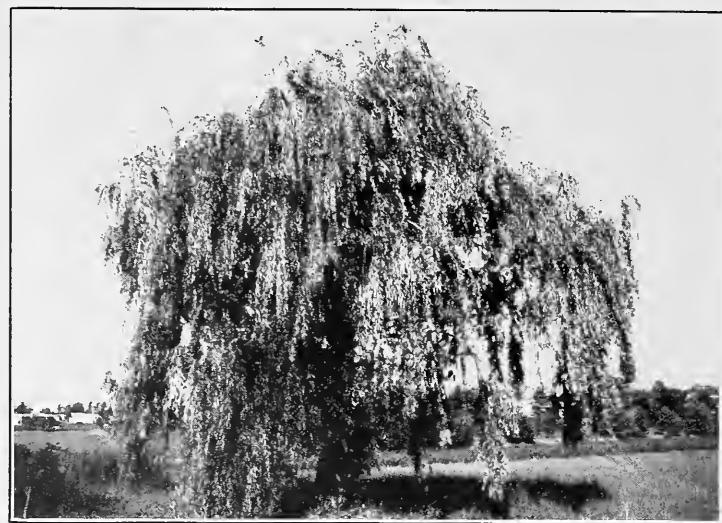
The rates per tree as given below apply on quantities up to six.

Above six use dozen rate. Above fifty use hundred rate.

	5-6 ft. per tree	6-8 ft. per tree	8-10 ft. per tree	10-12 ft. per tree	12-15 ft. per tree
ASH, AM. GREEN—Drouth resister. Great tree for exposed places and poor soil.....	\$1.00	\$1.50	\$2.00	\$4.00	\$ 6.50
BOX ELDER—(Ash leaf or Manitoba Maple) Hardy, fast grower in the North .....	1.00	1.50	2.00	4.00	6.50
BALM OF GILEAD—So called for the pungent, sticky buds. A Poplar.....	1.50	2.00	3.00	4.50	7.00
BIRCH—White or Paper. A valuable native tree for lawn planting.....	2.50	3.25	4.25	6.00	10.00
BIRCH—Weeping Cut Leaf. One of the most beautiful ornamental trees. (Grafted on wild Birch roots).....	5.00	7.50	.....	.....	.....
CATALPA—Hardy (Speciosa) Large, tropical foliage. Desirable lawn and street tree.....	2.50	3.25	4.25	6.00	10.00
CATALPA—Bungei. Globe headed species. Grafted on Speciosa stocks (semi hardy) 1 yr. hds.	4.00	.....	.....	.....	.....



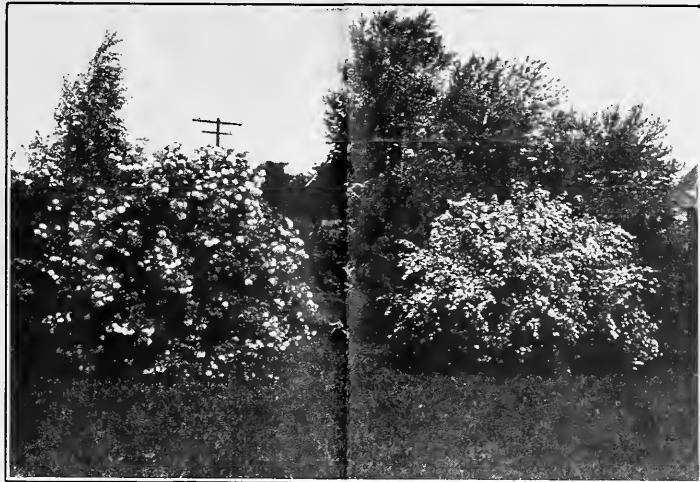
JEWELL STREET TREES



NIOBE WILLOW

## SHADE AND ORNAMENTAL TREES — Continued

	5-6 ft. per tree	6-8 ft. per tree	8-10 ft. per tree	10-12 ft. per tree	12-15 ft. per tree
BUTTERNUT—A very handsome tree everywhere. Nuts in great demand.....	\$2.50	\$3.25	\$4.25	\$6.00	\$10.00
ELM—American. The most planted of all shade and street trees.....	1.50	2.00	3.00	4.50	7.00
BUCKEYE—(Horse Chestnut) A hardy type. Makes a small tree.....	5.00	7.50	...	...	...
HACKBERRY—(Northern type) Small, very uniform tree. Valuable for street work where shade is not the main condition.....	2.50	3.25	4.25	6.00	10.00
LINDEN, AMERICAN—(Basswood) Native tree with handsome form and foliage. The great honey tree.....	2.50	3.25	4.25	6.00	10.00
LINDEN, EUROPEAN—Hardy; with rich, brown bark. Leaves smaller than Basswood.....	2.50	3.25	4.25	6.00	10.00
LOCUST, BLACK—Well known hardy tree with graceful habit and delicate flowers and foliage.	2.50	3.25	4.25	6.00	10.00
MAPLE, SOFT OR SILVER—Widely planted native tree. Rapid grower of majestic form.....	1.00	1.50	2.00	4.00	6.50
MAPLE, HARD OR SUGAR—Its uniform head and brilliant autumn colors give it great popularity.....	1.50	2.00	3.00	4.50	7.00
MAPLE, NORWAY—Similar to Hard Maple but not so hardy in the North.....	2.50	3.25	4.25	6.00	10.00
MAPLE, GINNALA—A small tree with small, handsome foliage.....	2.50	3.25	...	...	...
MAPLE, SCHWEDLER'S—(Semi hardy) Foliage deep purple in early summer, turning to green.	5.00	7.50	...	...	...
MAPLE, CUT LEAF—(Weir's) A type of Soft Maple with drooping branches and deeply serrated leaves.....	2.50	3.25	4.25	6.00	10.00
MOUNTAIN ASH—(European) Handsome, compound foliage followed by clusters of brilliant colored fruit. Fast growing in demand.....	2.50	3.25	4.25	6.00	10.00
MOUNTAIN ASH—Weeping. A drooping form of the above, topgrafted on standard stocks....	1 yr. heads....	\$4.00	2 yr. heads....	\$6.00	
MULBERRY—Russian (Semi hardy) Medium size with light foliage; valuable in mass planting.	2.50	3.25	4.25	6.00	10.00
MULBERRY—Tea's Weeping. Drooping form of the above. Grafted on standard stocks.....	1 yr. heads....	\$4.00	2 yr. heads....	\$6.00	
OLIVE—Russian. Small tree with characteristic silvery Olive foliage. Gives contrast.....	2.50	3.25	4.25	6.00	10.00
POPLAR, NORWAY—Also known as Carolina and Russian Poplar. Cottonless Cottonwood. Rapid growing shade tree.....	1.50	2.00	3.00	4.50	7.00
COTTONWOOD—(Poplar family) One of the largest and hardiest native American Trees.....	1.50	2.00	3.00	4.50	7.00
POPLAR, DAKOTA—(Mule Tree) A native of the northern plains. Absolutely hardy.....	1.50	2.00	3.00	4.50	7.00
POPLAR, PETOFSKY—A rigorous Asiatic Poplar which seems to have a place here.....	1.50	2.00	3.00	4.50	7.00
POPLAR, LOMBARDY—Well known pyramidal tree. Much used for contrast in landscape work	2.50	3.25	4.25	6.00	10.00
POPLAR, BOLLEANA—A silver leafed pyramidal type. Very valuable in ornamental planting..	2.50	3.25	4.25	6.00	10.00
POPLAR—Silver Leaf. Medium sized tree with beautiful foliage. Extremely hardy everywhere.	2.50	3.25	4.25	6.00	10.00
WALNUT, Black—Well known American tree with more uses and values than any other.....	2.50	3.25	4.25	6.00	10.00
WILLOW, GOLDEN (Russian)—Vigorous, upright grower with golden bark.....	1.50	2.00	3.00	4.50	7.00
WILLOW, NIOBE—Drooping type of Golden Willow. Also from Russia. Very graceful.....	2.50	3.25	4.25	6.00	10.00
WILLOW, WISCONSIN WEEPING—Native drooping willow with green bark.....	2.50	3.25	4.25	6.00	10.00
WILLOW, LAUREL LEAF—Distinguished for its shining, laurel-like foliage.....	1.50	2.00	3.00	4.50	7.00
WILLOW, WHITE—One of the most handsome and hardy trees of the willow tribe.....	1.50	2.00	3.00	4.50	7.00



ORNAMENTAL SHRUBS. LEFT SNOWBALL, RIGHT SPIREA V. H.

## HARDY FLOWERING SHRUBS

FOR LAWN PLANTING

For Hedge Stock see "Hedging"

THE STOCK QUOTED BELOW IS ALL TRANSPLANTED AND GROWN IN OPEN ROWS TO PRODUCE WELL BRANCHED, WELL ROOTED SPECIMENS. THE TALLER GROWERS ARE FURNISHED IN 3-4 FT., MEDIUM GROWERS AVERAGE 2 FT; AND THE LOW HABITED SHRUBS 12 INCHES

### Prices, Transportation Paid — Insured to Grow

Variety	Characteristics	Height	Color of Bloom or Fruit	Each	Dozen
Althea	Bright colored flowers	Medium	Pink, Purple, White	\$1.50	\$15.00
Barberry, Thunberg's	Foliage colors in Fall. Valuable hedge shrub	Low	Red berries	1.50	15.00
Buckthorn	Foliage shrub for mass planting	Tall	Black fruit	1.00	10.00
Caragana	Delicate foliage. Mass planting	Tall	Yellow flowers	1.00	10.00
Crab, Flowering	Large double flowers	Medium	Pink flowers	3.50	35.00
Coral berry	Graceful; with dense fruit clusters	Low	Red berries	1.00	10.00
Cranberry bush	Showy berries in Fall and Winter	Tall	Red berries	1.00	10.00
Currant, flowering	Early bloom	Medium	Yellow flowers	1.00	10.00
Currant, Alpine	Dense foliage of deep green	Low	Yellow flowers	1.50	15.00
Deutzia Crenata	For border planting	Medium	Pink flowers	1.50	15.00
Deutzia Gracilis	Dense grower and late Spring bloomer	Low	White flowers	1.50	15.00
Deutzia Lemoine	Stout branches; Upright grower	Low	White flowers	1.50	15.00
Deutzia, Pride of Rochester	Double flowers; Early to bloom	Low	Pink in bud	1.50	15.00
Cotoneaster Acutifolia	Specially desirable for hedge and border planting	Low	Black berries	1.00	10.00
Euonymus	Known also as Burning Bush	Medium	Red pods	1.50	15.00
Dogwood, Red	Showy, red branches in winter	Medium	Red bark	1.00	10.00
Dogwood, Yellow	Short, yellow branches in winter	Medium	Yellow bark	1.00	10.00
Dogwood, Variegated	One of the choicest foliage shrubs	Low	Variegated leaves	2.00	20.00
Elder, Black	Luxuriant foliage; Fine for mass planting	Tall	White flowers; Black fruit	1.00	10.00
Elder, Golden	Brilliant foliage	Medium		1.50	15.00
Elder, Cut Leaf	Deeply cut foliage	Medium	Black fruit	1.50	15.00
Elder, Red	Mass of red fruit	Medium	Red fruit	1.50	15.00
Hazelnut	Foliage shrub for group planting	Medium		1.50	15.00
Honeysuckle, Tartarian	Mass of bloom followed by fruit	Tall	Pink flowers; Red berries	1.00	10.00
Honeysuckle, Morrow's	Spreading, graceful	Medium	Red fruit; Pink flowers	1.50	15.00
Hydrangea, Paniculata, Grandiflora	Masses of Autumn bloom	Medium	White and bronze	1.50	15.00
Hydrangea, Arborescens	"Hills of Snow" Perpetual summer bloom	Medium	White	1.50	15.00
Juneberry	Early summer bloom and fruit. Attracts birds	Medium	White	1.50	10.00

## HARDY FLOWERING SHRUBS — Continued

Variety	Characteristics	Height	Color of Bloom or Fruit	Each	Dozen
Olive, Russian . . . . .	Silvery foliage. High perfume . . . . .	Tall . . . . .	Yellow . . . . .	1.00	10.00
Plum, Flowering . . . . .	Double flowers in early Spring . . . . .	Medium . . . . .	Pink . . . . .	2.00	20.00
Privet, Amoor . . . . .	Borders, hedges and massed planting . . . . .	Medium . . . . .		1.00	10.00
Snowball . . . . .	Old favorite; early summer bloom . . . . .	Tall . . . . .	White . . . . .	1.00	10.00
Snowberry . . . . .	Showy, white fruit in autumn . . . . .	Low . . . . .	White . . . . .	1.00	10.00
Sumach, smooth . . . . .	Spreading; brilliant autumn color . . . . .	Medium . . . . .	Red fruit . . . . .	1.00	10.00
Sumach, Staghorn . . . . .	Upright, picturesque; velvety branches . . . . .	Tall . . . . .	Red fruit . . . . .	1.00	10.00
Sumach, Cut leaf . . . . .	Deeply serrated foliage; autumn color . . . . .	Medium . . . . .	Red fruit . . . . .	1.50	15.00
Sand Cherry . . . . .	Graceful with wealth of showy fruit . . . . .	Low . . . . .	Black fruit . . . . .	1.00	10.00
Mock Orange (Common) . . . . .	Handsome shrub with highly perfumed flowers . . . . .	Tall . . . . .	Cream flowers . . . . .	1.00	10.00
Mock Orange (Golden Syringa) . . . . .	Bright golden foliage; for contrast in group . . . . .	Low . . . . .	White flowers . . . . .	1.50	15.00
Weigela Rosea . . . . .	Bright Summer bloom . . . . .	Medium . . . . .	Pink flowers . . . . .	1.50	15.00
Weigela Eva Rathke . . . . .	Bright Summer bloom . . . . .	Medium . . . . .	Red flowers . . . . .	1.50	15.00
Lilac, Common Purple . . . . .	Favorite early summer bloomer . . . . .	Tall . . . . .	Purple flowers . . . . .	1.00	10.00
Lilac, Common White . . . . .	Favorite early summer bloomer . . . . .	Tall . . . . .	White flowers . . . . .	1.00	10.00
Lilac Persian . . . . .	Very free bloomer . . . . .	Medium . . . . .	Purple flowers . . . . .	1.00	10.00
Lilac, Japan Tree . . . . .	Leathery foliage; very late bloom . . . . .	Tall . . . . .	White flowers . . . . .	1.50	15.00
Lilac, Villosa . . . . .	Large panicles; late bloom; fragrant . . . . .	Tall . . . . .	Pink flowers . . . . .	1.50	15.00
Lilac, Josikea (Hungarian) . . . . .	Dark, shining leaves; upright growth . . . . .	Tall . . . . .	Violet flowers . . . . .	1.50	15.00
Lilac, Charles Tenth . . . . .	Single, loose panicles . . . . .	Medium . . . . .	Red flowers . . . . .	2.00	20.00
Lilac, George Bellairs . . . . .	Double; upright . . . . .	Medium . . . . .	Red flowers . . . . .	2.00	20.00
Lilac, Ludwig Spaeth . . . . .	Single, long panicles . . . . .	Medium . . . . .	Purple flowers . . . . .	2.00	20.00
Lilac, Pres. Grey . . . . .	Double; large panicles . . . . .	Medium . . . . .	Blue flowers . . . . .	2.00	20.00
Lilac, Madam Chatenay . . . . .	Double; large panicles . . . . .	Medium . . . . .	White flowers . . . . .	2.00	20.00
Lilac, Princess Alexandria . . . . .	Single; large flowers . . . . .	Medium . . . . .	White flowers . . . . .	2.00	20.00
Spirea, Anthony Waterer . . . . .	Beautiful foliage and dense flower clusters all summer . . . . .	Low . . . . .	Pink flowers . . . . .	1.50	15.00
Spirea Arguta . . . . .	Open habit; deep green foliage. May . . . . .	Low . . . . .	White flowers . . . . .	1.50	15.00
Spirea Billardi . . . . .	Flowers in dense panicles. July-Aug. . . . .	Medium . . . . .	Pink flowers . . . . .	1.00	10.00
Spirea Callosa . . . . .	Compact with bluish-green foliage. All sum. . . . .	Low . . . . .	Pink flowers . . . . .	1.50	15.00
Spirea Golden . . . . .	(Golden Ninebark) Yellow foliage. Contrasty . . . . .	Medium . . . . .	White flowers . . . . .	1.00	10.00
Spirea Sorbifolia . . . . .	(Ash Leaved Spirea) Foliage like Mt. Ash; beautiful . . . . .	Medium . . . . .	White flowers . . . . .	1.00	10.00
Spirea Salicifolia . . . . .	(Willow leaved Spirea) Narrow willow-like leaves . . . . .	Medium . . . . .	Pink flowers . . . . .	1.00	10.00
Spirea Van Houttei . . . . .	Known in North also as Bridal Wreath. June . . . . .	Medium . . . . .	White flowers . . . . .	1.00	10.00
Spirea Thunberg's . . . . .	Compact grower with fine graceful foliage. May . . . . .	Low . . . . .	White flowers . . . . .	1.50	15.00

## HEDGING

OUR LIST IS LIMITED TO THE HARDEST TYPES SUITABLE FOR NORTHERN PLANTERS. ALL STRONG AND EVENLY GRADED. IF YOU WANT MORE DETAILED INFORMATION REGARDING THE SELECTION OF HEDGE STOCK AND THE PLANTING AND CARE OF HEDGES SEND FOR J.N.S. BULLETIN NO. H-23.

## Prices, Transportation Paid — Insured to Grow

	8-12 inch per 100	12-18 inch per 100	18-24 inch per 100	2-3 ft. per 100	3-4 ft. per 100
BUCKTHORN—Strong growing, dark green foliage and stiff, thorny twigs . . . . .	\$10.00	\$12.50	\$17.50	\$25.00	\$35.00
CARAGANA—Locust-like foliage; very hardy in exposed locations . . . . .	8.00	10.00	12.50	15.00	20.00
OLIVE, Russian—Silvery foliage and a fine vigorous shrub . . . . .	10.00	12.50	17.50	25.00	35.00
PRIVET—Amoor River (North) The only privet suited to northern culture . . . . .		25.00	40.00	60.00	
HONEYSUCKLE, Tartarian—A good hedge shrub for high screens . . . . .	15.00	25.00	40.00	60.00	
SPIREA, VAN HOUTTEI—Valuable for its delicate foliage and white bloom . . . . .	15.00	25.00	40.00	60.00	
BARBERRY, Thunberg's Japanese—Very largely planted for its bright foliage, berries and dog-proof spines. 3 yr. transplanted stock, bushy for immediate effect . . . . .	35.00	50.00	70.00		
Light plants from nursery beds . . . . .	12.50	17.50			
COTONEASTER Acutifolia—One of the best for low hedges . . . . .		12.50			



BUCKTHORN HEDGE



(VINE) ENGELMAN'S IVY

## HARDY ORNAMENTAL VINES

ALL STRONG 2-YEAR VINES

### Prices, Transportation Paid — Insured to Grow

	Each	Dozen
AMERICAN IVY—(Woodbine) The well known climber with luxuriant foliage, turning to brilliant autumn colors. Showy, black berries.....	\$1.50	\$15.00
ENGELMAN'S IVY—A type of American Ivy with tendrils enabling it to cling to stone, brick and stucco.....	1.50	15.00
BOSTON IVY—Popular clinging vine. Semi hardy in extreme North. Delicate beautiful foliage.....	1.50	15.00
BITTERSWEET—Vigorous native vine; grows to great height. Showy, orange colored fruit .....	1.50	15.00
CLEMATIS, AM. WHITE—Native climber of graceful habit with feathery white flowers .....	1.50	15.00
CLEMATIS PANICULATA—A Japanese Clematis with luxuriant foliage, covered with a mass of highly fragrant white flowers	1.50	15.00
CLEMATIS JACKMANNI—Large flowered type with purple blossoms.....	2.00	20.00
CLEMATIS HENRYI—Large flowered type with white flowers.....	2.00	20.00
CLEMATIS MADAM ANDRE—Large flowered type with maroon flowers.....	2.00	20.00
DUTCHMAN'S PIPE—High grower with large tropical leaves and curious pipe shaped flowers. Valuable for shady locations ..	2.00	20.00
HONEYSUCKLE (Trumpet)—Medium climber. Green foliage; red trumpet shaped flowers.....	1.50	15.00
MATRIMONY VINE—Trailing vine with bright red fruit .....	1.50	15.00

## ROSES

Jewell roses are all strong, two year, field grown plants. The prices, therefore, should not be compared with other catalog prices for small rooted slips from pots. Out of the hundreds of varieties we offer a selection of the very best.

### Prices, Transportation Paid — Insured to Grow

#### Group A — Hybrid Rugosa Roses

These double roses are the hardiest varieties for northern planting. They require no winter covering. Bloom all summer, and in all the shades of red, pink and white. The typical rugosa foliage and yellow-red fruits add to their attractiveness. Very valuable for lawn ornament.

\$2.00 each    \$20.00 per dozen

Amelia Grevereau	Red; prolific bloomer.
Conrad F. Meyer	Pink, large, fragrant.
Hansa	Deep pink; very double
Mme. Geo. Bruant	White; pointed in bud clusters.
Nova Zembla	White; very large blossoms
New Century	Pink; a graceful bush.
Rosarie de L'Hay	Pink; free bloomer; fragrant.
Sir Thomas Lipton	White; very double; fragrant.



ROSES



PERENNIAL PLANTS. PYRETHRUM ULIGINOSUM

## Group B — Hybrid Perpetual Roses

PRICES, TRANSPORTATION PAID — INSURED TO GROW

These are the roses to grow for cut flowers. Also valuable for lawn ornament. Require winter protection.

\$1.50 each      \$15.00 per dozen

Anne de Diesbach	Carmine; vigorous plant.
Baron de Bonstettin	Dark red; an old favorite.
Captain Hayward	Crimson; free bloomer; very fragrant.
Clio	Light pink; large; globular form.
Coquette des Alps	White; large; profuse bloomer.
Fisher Holmes	Scarlet shaded crimson; brilliant.
Francois Levet	Bright pink; strong grower; profuse bloomer.
Frau Karl Druschki	Largest white; very pure; beautiful.
General Jacqueminot	Dark red; one of the best known red roses.
Hugh Dixon	Dark red; finely formed; fragrant flowers.
John Hopper	Pink; strong grower; very desirable.
Magna Charta	Pink; profuse bloomer; long stems.
Margaret Dixon	White; shell shaped petals; tinted at center.
Mrs. John Laing	Pink; large flowers; strong stems; fragrant.
Paul Neyron	Deep Pink; profuse; one of the best.
Prince Camille de Rohan	Dark red; large, very handsome.
Ulrich Brunner	Cherry red; vigorous grower and bloomer.

## HARDY FLOWERING AND FOLIAGE PLANTS

Indispensable in all home planting, for beds, borders, groups, shrubbery edgings and for vase flowers. Of the hundreds of varieties we grow and list those which have by many years test been found the most reliable for northern culture. These are all PERENNIAL PLANTS, that is the roots live in the ground through winter, only the tops freezing down. A light mulch after the ground is frozen is desirable, but the plants are perfectly hardy. THE PLANTS WE SHIP ARE ALL STRONG, FIELD GROWN ROOTS AND CLUMPS, not the little slips grown under glass and offered at cheap prices.

### Prices, Transportation Paid — Insured to Grow

	Each	Dozen
ACHILLEA (Pearl)—18 inches; white; stiff stems: July-Sept. ....	\$.50	\$ 5.00
ARTEMESIA—12 inches; silvery, finely cut foliage. Sept. ....	.50	5.00
ASTER, NEW ENGLAND—4-5 ft. Deep purple. Sept.-Oct. ....	.75	7.50
ASTER, LADY TREVELLYN—3 ft. White. Sept.-Oct. ....	.75	7.50
BLEEDING HEART (Dicentra)—2 ft. Heart shaped flowers; red and white. June ....	.75	7.50
BOLTONIA ASTEROIDES—3 ft. White, starry flowers. Sept. ....	.50	5.00
BOLTONIA LATISQUAMA—4 ft. Pink, tinged lavender. Sept.-Oct. ....	.50	5.00

		Each	Dozen
BUTTERCUP—2 ft.	Glossy, golden yellow. May-June.....	\$.50	\$5.00
COLUMBINE (Aquilegia)—Golden spurred.	2 ft. Yellow. July-Aug.....	.50	5.00
COLUMBINE (Aquilegia)—Rocky Mountain.	1 ft. Blue. July-Aug.....	.50	5.00
CAMPANULA (Harebell)—12 inches.	Deep blue. June-Sept.....	.75	7.50
COREOPSIS—3 ft.	Deep Yellow. June-Oct.....	.75	7.50
DAY LILY (Flava)—2 ft.	Bright yellow. June-July.....	.50	5.00
DAY LILY (Kwanso)—2 ft.	Orange. July-Aug.....	.50	5.00
DIANTHUS—Sweet William.	12-18 inches. Colors in assortments. May-July.....	.75	7.50
DIANTHUS—Hardy Pinks.	8-12 inches. Light red. Carnation fragrance. Blooms all season.....	.75	7.50
FOX GLOVE (Digitalis)—2 ft.	Mixed colors. July.....	.75	7.50
FORGET-ME-NOT—6 inches.	Good for moist soils. Blue. June-July.....	.50	5.00
FUNKIA—18 inches.	(Plantain Lily) Handsome foliage. White and Blue flowers. Aug.....	.50	5.00
GAILLARDIA (Blanket Flower)—1 ft.	Orange-yellow. June-Sept.....	.50	5.00
GOLDEN GLOW—6 ft.	Double, brilliant yellow flowers. July-Sept.....	.50	5.00
GYPSOPHILA (Baby's Breath)—3 ft.	Delicate White flowers. Aug.-Sept.....	.50	5.00
HELIOPSIS (Orange Sunflower)—3 ft.	Blooms from early summer until late fall.....	.50	5.00
HIBISCUS (Crimson Eye)—4 ft.	White with crimson center. Aug.....	.75	7.50
HOLLYHOCK (Biennial)—4 to 6 ft.	Assorted colors. July-Aug.....	.50	5.00
IRIS—18 inches.	Indispensable spring bloomers. Many colors.....	.50	5.00
NOTE:—Iris are supplied either in assorted colors or in the following separate colors: Purple, Yellow, Mahogany, White.			
LILY OF THE VALLEY—8 inch.	Fine in shady places. June.....	.50	5.00
MONARDA (Bergamot)—2 ft.	Bright scarlet. July-Aug.....	.75	7.50
PYRETHRUM ROSEUM (Feverfew)—1 ft.	Variable pink, white, red. June.....	.50	5.00
PYRETHRUM ULIGINOSUM (Ox eye Daisy)—4 ft.	White. Aug.-Oct.....	.50	5.00
PEONY—2 ft.	Shades of Red, Pink and White, Choice assortment.....	1.00	10.00
NOTE:—We have a fine collection of the best varieties. Planters making a specialty of Peony gardening should write for our special Peony Bulletin No. J.N.S. 24.			
POPPIY, ORIENTAL—15 inches.	Flaming red. Aug.....	.75	7.50
PHLOX—1 to 2 ft.	Wonderful variety of coloring. Blooming period from midsummer to late autumn. Red, White, Pink, Salmon, Purple, Choice selection.....	.50	5.00
NOTE:—If interested in extensive Phlox planting, send for Bulletin No. J.N.S. 25. which gives a complete list of the best varieties.			
PHLOX—Subulata.	4 inches. Creeping; for carpet planting. Pink and White.....	.50	5.00
PLATYCODON—18 inches.	Deep blue star-like flowers. June-Sept.....	.75	7.50
VINCA MINOR (Hardy Myrtle)—6 inches.	For carpet planting. Blue.....	.75	7.50
YUCCA (Spanish Bayonet)—2-3 ft.	Immense heads of white flowers. June-July.....	.75	7.50

## PERENNIAL PLANTS ESPECIALLY SUITED TO SHADY LOCATIONS

Aquilegia	Campanula	Lilium Elegans
Day Lily	Phlox	Tiger Lily
Bleeding Heart	Boltonia	Larkspur
Digitalis	Peonies	Funkia
Achillea	Lily of the Valley	Iris
Platycodon		

## PERENNIALS FOR CUT FLOWERS

Achillea	Hardy Pinks	Phlox
Aquilegia	Gaillardia	Poppy
Coreopsis	Gypsophila	Pyrethrum
Delphinium	Iris	Heliopsis
Sweet William	Peony	

## DISTANCE TO PLANT

## FRUIT TREES

While authorities differ somewhat as to the proper distances for commercial orchard planting, the following are those usually employed:

Apple.....	25 to 30 feet apart
Plum.....	20 to 25 feet apart
Cherry-plum..	16 to 20 feet apart

## GARDEN FRUITS

Following are the usual distances followed in the North.

	Rows apart	Plants apart
Grapes.....	8 feet	8 feet
Raspberries.....	6 feet	3 feet
Blackberries.....	6 feet	4 feet
Strawberries.....	4 feet	1 feet
Currants.....	6 feet	4 feet
Gooseberry.....	6 feet	3 feet
Rhubarb.....	6 feet	3 feet
Asparagus.....	2½ feet	1 feet

## HEDGES AND WINDBREAKS

In planting trees for wind protection it is best to set two rows, having the trees alternate in the row, so that each tree will be opposite an open space in the next row.

	Distance in feet for thick or solid hedge rows	Distance in feet for open planting on lines and ave.
Arbor Vitae, American.....	2 to 4	8 to 26
Ash, American.....	2 to 8	20 to 35
Barberry, Japanese.....	1 to 2	
Buckthorn.....	1 to 2½	
Caragana.....	1 to 2½	
Russian Olive.....	1 to 2½	
Cottonwood.....	2 to 6	25 to 35
Elm, American.....	2 to 6	25 to 35
Locust.....	2 to 6	15 to 20
Maple, Soft or Silver.....	2 to 8	25 to 35
Mulberry, Russian.....	2 to 6	20 to 30
Pine.....	3 to 8	25 to 35
Poplar.....	6 to 12	20 to 30
Red Cedar.....	2 to 3	15 to 20
Spruce.....	3 to 8	10 to 20
Willow.....	1 to 2	20 to 30
Walnut.....		25 to 40

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2. If any tree, shrub or plant fails to “show life” it is promptly reshipped without cost.
3. If any tree, shrub or plant grows the first summer, but fails to live through the following winter, it is promptly reshipped at one half the purchase price.
4. If any tree, shrub or plant proves untrue to label the purchase price is promptly refunded, or the article reshipped at your option.
5. You are the judge and your word is sufficient evidence.
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## Ground Planning Department

The great and growing interest in home-ground planting has made necessary the maintenance at our nursery of a department through which we give our friends and customers service in this direction. This includes the services of our landscape architect, who will without cost or obligation give advice about the selection of varieties, with suggestions as to ground planning, planting, etc. This service is also extended to PARK, and all other PUBLIC PLANTING. For details and all information relative to this service address,

THE JEWELL NURSERY COMPANY  
Planning Department  
Lake City, Minnesota